

Double Deflection Round Grilles

Model: **RHV**



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The model RHV Double Deflection Diffuser offers a double deflection design in a round shape. Excellent for ceiling and wall mounting, it can provide wide dispersion or narrow air streams. The individually adjustable blades allow the user to condition four areas simultaneously. The body is one piece aluminum and mounts with the included hidden bracket. Finally a register good looking enough for those special projects!

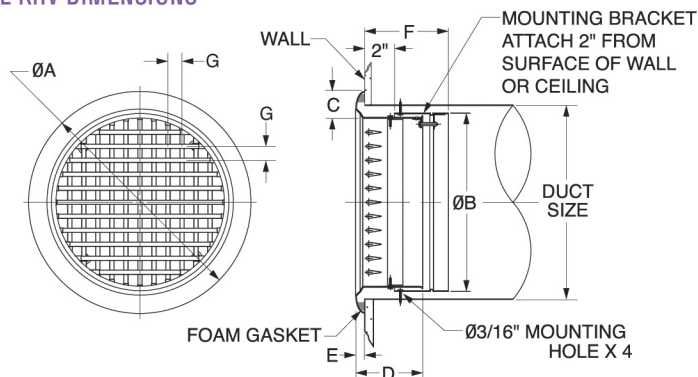
MATERIAL FINISH

- Aluminum
- Gloss White or Mill Finish
- Custom Colors Available

FEATURES

- Contemporary Design
- Concealed Mounting Mechanism
- Wide Dispersion Patterns
- Long Throw Capacity
- Available for Standard Duct Sizes
- Extruded Aluminum Airfoil Blades
- Double Deflection Design
- Heavy Gauge Aluminum Body

MODEL RHV DIMENSIONS



MODEL	DUCT SIZE	A	B	C	D	E	F	G
RHV 6	6	7 5/8	5 13/16	1 7/32	4 9/32	15/32	5 1/2	21/32
RHV 8	8	10	7 25/32	1 13/32	4 9/32	15/32	5 1/2	23/32
RHV10	10	12 5/8	9 3/4	1 25/32	4 13/32	19/32	5 1/2	29/32
RHV12	12	14 19/32	11 23/32	1 25/32	4 13/32	19/32	5 1/2	15/16
RHV14	14	16 9/16	13 11/16	1 25/32	4 13/32	19/32	5 1/2	15/16
RHV16	16	18 17/32	15 21/32	1 25/32	4 13/32	19/32	5 1/2	31/32
RHV20	20	23 5/8	19 23/32	2 3/8	4 31/32	29/32	6 11/16	31/32
RHV24	24	27 9/16	23 11/16	2 3/8	4 31/32	29/32	6 11/16	31/32

Product information is subject to change without notice. All dimensions in inches.



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Performance Data

Model: RHV



SIZE	Neck Velocity (fpm)		300			400			500			600			700			800			1000			1200			1400					
	Velocity Pressure (in.,wg)		0.006			0.010			0.016			0.022			0.031			0.040			0.062			0.090			0.122					
	Deflection		0	22.5°	45°	0	22.5°	45°	0	22.5°	45°	0	22.5°	45°	0	22.5°	45°	0	22.5°	45°	0	22.5°	45°	0	22.5°	45°	0	22.5°	45°	0	22.5°	45°
6	Neck Area 0.196 sq.ft	CFM	60			80			100			120			140			160			200			240			280					
		SP(in.,wg)	0.014	0.033	0.040	0.025	0.056	0.070	0.040	0.090	0.110	0.060	0.110	0.170	0.110	0.150	0.240	0.135	0.180	0.300	0.180	0.270	0.440	0.280	0.430	0.690	0.400	0.610	0.720			
		NC	-	-	-	-	-	-	-	-	22	-	20	20	-	23	26	20	28	35	24	34	40	32	40	47	37	43				
		Throw(ft.)	13	13	10	20	16	13	25	20	15	32	26	20	40	35	25	43	37	28	55	45	35	60	55	45	80	70	55			
8	Neck Area 0.349 sq.ft	CFM	110			140			180			210			250			280			350			420			-					
		SP(in.,wg)	0.014	0.029	0.030	0.026	0.049	0.056	0.037	0.065	0.156	0.048	0.082	0.097	0.075	0.125	0.150	0.110	0.175	0.220	0.153	0.230	0.290	0.255	0.420	0.470						
		NC	-	-	-	-	18	19	-	18	25	15	18	20	20	21	25	22	26	30	25	32	33	33	40	42						
		Throw(ft.)	20	17	12	27	22	18	31	26	20	35	30	22	35	27	22	55	45	33	60	51	39	80	60	50						
10	Neck Area 0.545 sq.ft	CFM	170			220			280			330			390			440			550			660			-					
		SP(in.,wg)	0.011	0.024	0.026	0.016	0.035	0.043	0.022	0.045	0.059	0.036	0.068	0.088	0.062	0.105	0.142	0.048	0.130	0.230	0.150	0.155	0.255	0.185	0.285	0.420						
		NC	-	-	-	-	-	-	-	15	19	-	20	21	20	22	25	15	21	37	25	25	33	26	33	40						
		Throw(ft.)	25	21	17	33	26	21	59	52	35	55	45	32	61	45	40	60	50	40	75	57	47	90	70	55						
12	Neck Area 0.785 sq.ft	CFM	240			320			400			480			550			630			790			950			1100					
		SP(in.,wg)	0.010	0.019	0.017	0.015	0.031	0.037	0.012	0.025	0.032	0.075	0.090	0.140	0.085	0.102	0.120	0.010	0.195	0.320	0.098	0.167	0.210	0.152	0.210	0.380	0.165	0.280	0.460			
		NC	-	-	-	-	-	-	-	-	20	-	-	24	-	20	27	18	22	30	22	32	41	31	38	46	35	48	50			
		Throw(ft.)	27	22	17	40	32	25	45	32	27	52	42	35	60	44	40	75	55	45	90	80	60	100	100	80	105	105	90			
14	Neck Area 1.069 sq.ft	CFM	330			430			540			650			750			860			1070			1290			1500					
		SP(in.,wg)	0.010	0.020	0.030	0.020	0.030	0.050	0.020	0.040	0.070	0.040	0.050	0.090	0.050	0.070	0.120	0.060	0.100	0.180	0.080	0.120	0.220	0.110	0.170	0.300	0.180	0.260	0.470			
		NC	-	-	-	-	-	15	-	-	21	-	15	23	15	21	21	16	29	34	24	30	41	29	34	33	37	45	48			
		Throw(ft.)	30	25	20	40	32	25	55	45	30	65	52	37	75	57	45	81	65	51	102	84	60	106	92	75	110	100	90			
16	Neck Area 1.396 sq.ft	CFM	420			560			700			840			980			1120			1400			1680			1960					
		SP(in.,wg)	0.010	0.030	0.050	0.020	0.040	0.070	0.040	0.070	0.120	0.050	0.060	0.130	0.060	0.080	0.140	0.050	0.080	0.160	0.080	0.130	0.170	0.110	0.210	0.350	0.170	0.270	0.400			
		NC	-	-	-	-	-	21	-	-	21	-	15	23	-	21	32	19	27	34	24	33	43	32	41	48	37	45	48			
		Throw(ft.)	25	25	20	41	32	26	60	46	34	73	55	41	80	65	50	90	82	65	105	100	80	120	110	100	100	82	60			
20	Neck Area 2.182 sq.ft	CFM	660			880			1100			1310			1530			1750			2190			2620			3060					
		SP(in.,wg)	-	0.010	0.030	0.010	0.030	0.050	0.020	0.050	0.080	0.020	0.070	0.110	0.030	0.090	0.140	0.040	0.120	0.200	0.070	0.200	0.330	0.100	0.270	0.440	0.140	0.370	0.600			
		NC	-	20	-	-	-	-	-	-	22	-	-	29	-	23	34	19	27	39	26	35	47	32	40	52	38	47	59			
		Throw(ft.)	37	32	22	50	40	30	67	56	39	80	66	46	94	77	54	109	88	61	139	110	76	172	131	89	201	153	102			
24	Neck Area 3.142 sq.ft	CFM	950			1260			1580			1890			2200			2520			3150			3780			4400					
		SP(in.,wg)	-	0.020	0.040	-	0.040	0.060	0.010	0.050	0.090	0.020	0.080	0.130	0.030	0.100	0.170	0.030	0.130	0.220	0.060	0.200	0.340	0.090	0.290	0.500	0.110	0.380	0.640			
		NC	-	-	-	-	-	-	-	-	25	-	-	31	-	21	32	20	26	41	23	34	49	29	41	50	34	46	60			
		Throw(ft.)	42	38	26	59	50	34	77	63	43	94	76	52	107	86	60	119	97	68	146	118	85	186	142	107	215	180	127			

THE THROW VALUES ARE BASED ON A 50 FPM TERMINAL VELOCITY.
 DASHED LINE IN SP BOX INDICATES STATIC PRESSURE IS LESS THAN 0.01 IN.W.G.
 DASHED LINE IN NC BOX INDICATES NOISE LEVEL IS LESS THAN 20.
 NC LEVEL IS BASED ON 10dB ROOM ATTENUATION(PWL RE:10-12 WATTS) WITH ONE DIFFUSER OPERATING.